

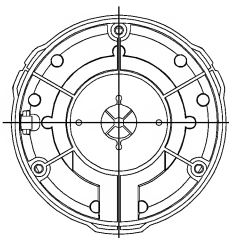
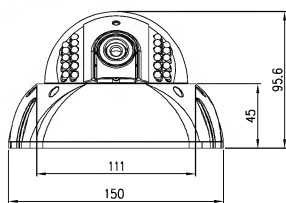
# Speco Technologies VL and HT 650 Series Vandalproof Dome Cameras



## ► FEATURES

- (1) IP67(Water resistant / Weatherproof)
- (2) Durable MATERIAL  
Dome : Polycarbonate V\_0 degree in UL94
- (3) Wall & Ceiling mount available(650WMT/650CMT)
- (4) Innovative method to adjust the camera direction
- (5) 20M range in total darkness
- (6) Side control board for easy function adjustments

## ► DIMENSION



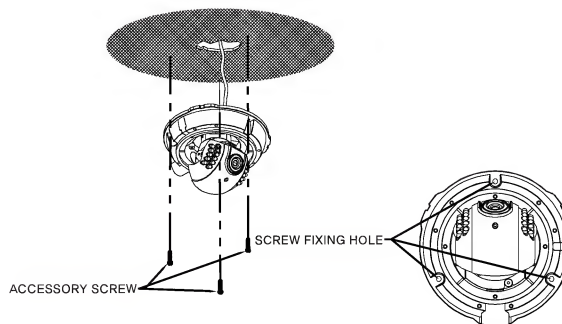
- \*Optional wall mount #650WMT available
- \*Optional ceiling mount #650CMT available



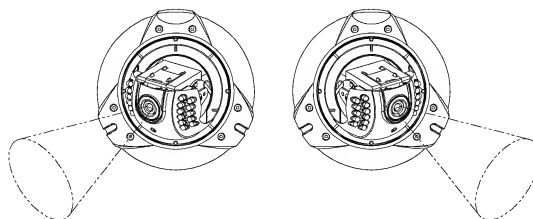
If the product is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

## ► INSTALLATION

### 1-1. CEILING MOUNT INSTALLATION



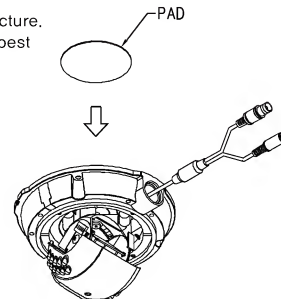
### 1-2 WALL MOUNT INSTALLATION



You can install it on the wall as seen in the picture.

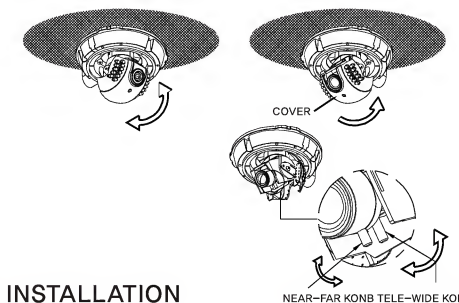
### 1-4 INSTALLATION FOR WEATHERPROOF USE

1. After unscrewing the bolt at the side of the camera, pass the cables through the hole.
2. Stick the pad on the camera like the picture.
3. Use conduit or compression fitting for best results.



## 2. CAMERA DIRECTION ADJUSTMENT AND FIXING

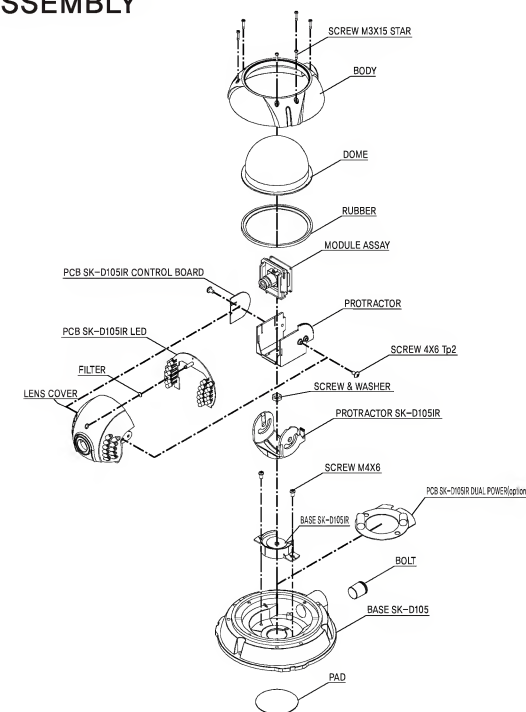
When using the vari-focal lens, you can control the focus and zoom by turning the two knobs after pulling down the cover.



## 3. FINISHING INSTALLATION



## ► ASSEMBLY



► SPECIFICATION

• STANDARD RESOLUTION COLOR CAMERA

Model No	VL-650 Series
Image Sensor	1/3" COLOR SONY SUPER HAD CCD
Effective pixel	510(H) X 492(V) PIXEL
Cell Size	9.6μm(H) X 7.5μm(V)
Resolution	420 Lines
TV Type	NTSC
Sync. Type	Internal
Scanning System	2:1 Interlace
Video Output	1.0 Vp-p (Sync. Negative)
Gamma Characteristic	γ =0.45 typ.
Min. Illumination	0 Lux(20M Range) : LED ON 1 Lux(F/1.2) : LED OFF
S/N Ratio	45dB or More (AGC OFF)
Gain Control	Automatic
Shutter	1/60 ~ 1/100,000 sec
AGC	ON/OFF
BLC	ON/OFF
Flickerless	ON/OFF
Mirror	ON/OFF
Test Illuminance Area	Average test illuminance by front view
Power Supply	12 Volts DC required
Consumption Current	Max.380mA
Reverse Polarity Protection	Yes
Lens	3.6mm board Lens or 4~9mm Vari-focal Auto Iris lens
Operation Temp	-20°F to 120°F

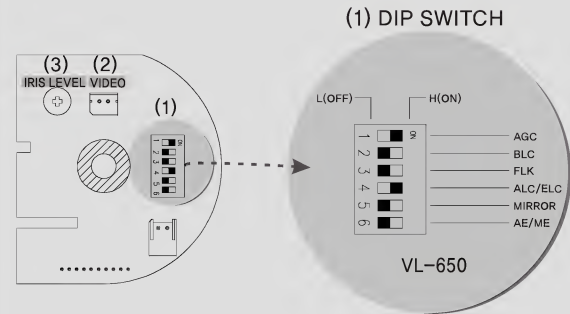
• HIGH RESOLUTION COLOR CAMERA

Model No	HT-650 Series
Image Sensor	1/3" COLOR SONY HQ-1 CCD
Effective pixel	768(H) X 494(V) PIXEL
Cell Size	9.6μm(H) X 7.5μm(V)
Resolution	520 Lines
TV Type	NTSC
Sync. Type	Internal
Scanning System	2:1 Interlace
Video Output	1.0 Vp-p (Sync. Negative)
Gamma Characteristic	γ =0.45 typ.
Min. Illumination	0 Lux(20M Range) : LED ON 0.1 Lux(F/1.2) : LED OFF
S/N Ratio	45dB or More (AGC OFF)
Gain Control	Automatic
Shutter	1/60 ~ 1/100,000 sec
AGC	ON/OFF
BLC	ON/OFF
Flickerless	ON/OFF
Mirror(option)	ON/OFF
Test Illuminance Area	Average test illuminance by front view
Power Supply	12 Volts DC required
Consumption Current	Max.380mA
Reverse Polarity Protection	Yes
Lens	4~9mm Vari-focal Auto Iris lens
Operation Temp	-20°F to 120°F

• SETUP FOR CAMERA FUNCTIONS

• Function setting combination

- (2) VIDEO : Plug your video test monitor in here
- (3) IRIS LEVEL : DC Level control



• VL-650/HT-650

\*Dip switch combination

	H(ON)	L(OFF)
AGC	High	Low
BLC	BLC ON	BLC OFF
FLK	Flickerless ON	Flickerless OFF
ALC/ELC	ALC	ELC
MIRROR	Mirror ON	Mirror OFF
AE/ME	ME	AE

\*Manual Exposure Setting, [AE/ME switch "H(ON)"]  
VL-650SERIES ONLY

BLC	FLK	ALC/ELC	SHUTTER SPEED
OFF	OFF	OFF	1/60(1/50)
OFF	ON	OFF	1/100(1/120)
ON	OFF	OFF	1/250
ON	ON	OFF	1/500
OFF	OFF	ON	1/1,000
OFF	ON	ON	1/2,000
ON	OFF	ON	1/4,000
ON	ON	ON	1/10,000

\* All specification is subject to change without notice to improve the quality.



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